

**REMARKS**

Applicant respectfully requests reconsideration and allowance of the subject application. Claims 1, 4-18, 20-27, 29-42, 44-45, and 48-52 are pending, of which claims 1, 12-13, 16, 24, 26, 34-35, 37, 40, 42, and 44 have  
5 been amended to place the application in condition for allowance. The claim amendments are supported at least at page 12, line 25 to page 13, line 17; and in Figs. 3-6.

**Teleconference Interview**

10 Applicant appreciates the Examiner's time for the teleconference interview on June 30, 2006, and the Examiner's efforts to clarify pending issues to advance prosecution of the subject application. Pending claim 1 was discussed with respect to the pen and sensor direction of movement. The Examiner recommended claim language that, if incorporated, would likely  
15 overcome the Subirada reference. However, the Examiner reserved the right to further evaluate the references of record and/or conduct a further search for any additional references.

Independent claims 1, 16, 26, 37, 42, and 44 have been amended to clarify that a pen moves in a carriage direction back and forth over a width of a  
20 print media to print diagnostic images on the print media, and that a sensor scans in the same carriage direction over the print media to detect pen swath optical densities. Accordingly, all pending claims 1, 4-18, 20-27, 29-42, 44-45, and 48-52 are in condition for allowance over Subirada.

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**35 U.S.C. §102 Claim Rejections**

Claims 1, 4-18, 20-27, 29-42, 44-45, and 48-52 are rejected under 35 U.S.C. §102(c) as being anticipated by U.S. Patent Publication No. 2002/0126171 to Subirada et al. (hereinafter, "Subirada") (*Office*  
5 *Action* p.2). Applicant notes that Subirada and the subject application are commonly assigned to the Hewlett-Packard Company.

As noted above, the independent claims 1, 16, 26, 37, 42, and 44 have been amended to clarify that a pen moves in a carriage direction back and forth over a width of a print media to print diagnostic images on the print media, and  
10 that a sensor scans in the same carriage direction over the print media to detect pen swath optical densities. Accordingly, all of the rejected claims 1, 4-18, 20-27, 29-42, 44-45, and 48-52 are in condition for allowance over Subirada, and Applicant requests that the §102 rejection be withdrawn.

**Conclusion**

Pending claims 1, 4-18, 20-27, 29-42, 44-45, and 48-52 are in condition for allowance and Applicant respectfully requests issuance of the subject application. If any issues remain that preclude issuance of this application, the Examiner is urged to contact the undersigned attorney before issuing a  
20 subsequent Action.

Respectfully Submitted,

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